State of California, California Regional Water Quality Control Board, Central Coast Region
895 Aerovista Place, Suite 101
San Luis Obispo, CA, 93401

Ranch Information/Management Practice Checklist
Ranch Information: (please supply one of these forms for each ranch)

Ranch Name:

Operator: Phone:

Operator Address:

City: State: Zip Code:

Please indicate the Public Land Survey System section(s) in which the ranch is located.

County Number	Range	Township	Section	Base Meridian
				S M H
				S M H
				S M H
				S M H
				S M H
				S M H
				S M H
				S M H
				S M H
				S M H

Land Owner(if different than Operator)

Owner:		Phone :	
Address:		State:	
City:		Zip Code:	

Estimated acreage for each type of Crop	Conventional	Organic
Row Crops		
Orchard		
Vineyard		
Nursery		
Greenhouse		
Other:		
Other:		
Other:		

Estimated acreage for each type of Irrigation:	Acres
Drip	
Sprinkler	
Furrow	
Other:	
Other:	
Other:	
Total Irrigated Acres for this ranch	

Estimated irrigated acreage generating each type of Discharge:	Acres
Tailwater discharges off site	
Tailwater discharges to pond	
Tile drain discharges off site	
Tile drain discharges to pond	
Stormwater discharge only	
Other:	
Other:	
Other:	

Erosion Control				
Erosion Control	**Not applicable to operation**	**Practice in Place**	**Practice Planned within 3 Years**	**Definition / Menu of Practices**
Practices are in place to manage sediment from upstream/upslope	☐	☐	☐	Sediment Basin, Water and Sediment Control Basin, Diversion, Grassed Waterway, Lined Waterway, Open Channel, Structure for Water Control, Surface Drainage Ditch, Underground Outlet, Conservation Cover, Filter Strip, Tree/Shrub Establishment
Fields are designed to minimize erosion potential	☐	☐	☐	Contour Farming, Row Arrangement, Access Road, Contour Buffer Strip, Diversion, Land Smoothing
Bare fields are covered to reduce rainfall runoff potential	☐	☐	☐	Conservation Crop Rotation, Cover Crops, Mulching, Residue Management, Contour Buffer Strip, Critical Area Planting
Irrigation water is managed to minimize erosion potential	☐	☐	☐	Irrigation Water Management, Anionic Polyacrylamide (PAM), Deep Tillage, Soil Moisture Measurements, Irrigation Land Leveling
Potential for wind erosion is managed	☐	☐	☐	Hedgerows, Herbaceous Wind barrier, Windbreak/Shelterbelt Establishment, Conservation Crop Rotation, Cover Crop, Residue Management, Cross Wind Ridges, Surface Roughening, Access Road, Mulching
Roads are protected from concentrated flow of runoff	☐	☐	☐	Access Road Cover Crop, Critical Area Planting, Mulching
Ditches and banks are protected from concentrated flow	☐	☐	☐	Grassed Waterway, Lined Channel, Grade Stabilization Structure, Open Channel, Structure for Water Control, Diversion, Cut Bank Stabilization
Soil is protected in non-cropped areas	☐	☐	☐	Mulching, Conservation Cover, Critical Area Planting, Filter strip, Hedgerow Planting, Range Planting, Tree/Shrub Establishment, Use Exclusion
Potential problem areas are regraded and protected	☐	☐	☐	Cut Bank Stabilization, Landslide Treatment, Critical Area Planting, Grade Stabilization Structure, Structure for Water Control
Water is diverted to a stable outlet	☐	☐	☐	Diversion, Grassed Waterway, Lined Waterway, Open Channel, Structure for Water Control, Subsurface Drain, Surface Drainage Ditch, Underground Outlet, Roof Runoff Management
Eroded sediment is detained or filtered before leaving the operation	☐	☐	☐	Diversion, Lined Waterway, Open Channel, Structure for Water Control, Surface Drainage Ditch, Underground Outlet, Irrigation System Tailwater Recovery, Sediment Basin, Water and Sediment Control Basin, Conservation Cover, Filter Strip, Grassed Waterway
Other :	☐	☐	☐	
Other :	☐	☐	☐	
Number of acres that have all planned erosion control strategies in place				acres
Number of acres that have some planned erosion control strategies in place				acres
Number of acres where erosion control strategies are planned but not yet in place				acres

Irrigation Management				
Irrigation Management	**Not applicable to operation**	**Practice in Place**	**Practice Planned within 3 Years**	**Definition / Menu of Practices**
Irrigation system efficiency is maximized	☐	☐	☐	Irrigation Mobile Lab System Evaluation where available, Irrigation Water Mangement, Regular System Maintenance, Irrigator/Foreman Training, Anionic Polyacrylamide (PAM), Deep Tillage
Irrigation scheduling is optimized	☐	☐	☐	Irrigation Scheduling (based on soil moisture monitoring and/or crop evapotranspiration (ET) demand), irrigation Applications adjusted for leaching fraction and/or system distribution uniformity, irrigation records maintained
Irrigation system design is optimized	☐	☐	☐	Irrigation System MicroIrrigation, Irrigation System Sprinkler, Irrigation Water Management, Irrigation Land Leveling, Irrigation Water Conveyance Pipeline, Irrigation Regulation Reservoir, Irrigation System Tailwater Recovery, Subsurface Drain, Well Decommissioning
Furrow or flood irrigation distribution uniformity (DU) is maximized and maintained	☐	☐	☐	Surge irrigation valves, Irrigation Field Ditch, Managed Furrow Lengths, Alternate Row Irrigation, Irrigation Canal or Lateral
Sprinkler and microsprinkler distribution uniformity (DU) is maximized and maintained	☐	☐	☐	System Equipment Maintenance, System Pressure Maintaince, Appropriate and Uniform Nozzle Sizes, Microsprinkler Low Pressure Shut-off Valves, Low Wind Conditions during Applications, Herbaceous Wind Barrier, Windbreak/Shelterbelt
Drip irrigation distribution uniformity (DU) is maximized and maintained	☐	☐	☐	System Equipment Maintenance, System Pressure Maintaince, Appropriate Tape/Emitter Application Rate, Pulse Irrigation
Other :	☐	☐	☐	
Other :	☐	☐	☐	
Number of acres that have all planned irrigation management strategies in place				acres
Number of acres that have some planned irrigation management strategies in place				acres
Number of acres where irrigation management strategies are planned but not yet in place				acres

Pesticide Management				
Pesticide Management	**Not applicable to operation**	**Practice in Place**	**Practice Planned within 3 Years**	**Definition / Menu of Practices**
Site preparation and plant material promote crop health	☐	☐	☐	Bedding, Irrigation Land Leveling, Irrigation Water Management, Resistant Varieties,Conservation Crop Rotation, Cover Crop
Pest and beneficial populations are monitored	☐	☐	☐	UC IPM Pest Management Guidelines consulted, scouting for pest detection, pest records maintained
Cultural practices are used to reduce pest pressure	☐	☐	☐	Sanitation, Dust Mitigation, Access Road, Mulching, Mechanical Weed Control, Physical or Environmental Pest Control, Pest Exclusion
Biological controls are used where effective	☐	☐	☐	
Efficient pest control decisions are made	☐	☐	☐	UC IPM Pest Management Guidelines consulted, reduced-risk or selective pesticides used where effective, application decisions based on scouting data, pest threshholds and/or risk assessment models, pesticides selected for lower risk of runoff or leaching where possible, hot spots selectively treated, pesticides applied at the lowest effective label rate
Pesticide handlers/applicators trained yearly	☐	☐	☐	
Pesticide label instructions followed	☐	☐	☐	
Application equipment calibrated	☐	☐	☐	
Appropriate disposal methods used	☐	☐	☐	
Pesticide storage facilities include concrete pads and curbs for containment of spills	☐	☐	☐	Agrichemical Handling Facility
Production wells are on elevated impervious bases upslope of pesticide storage and handling facilities	☐	☐	☐	

Pesticide Management	Not applicable to operation	Practice in Place	Practice Planned within 3 Years	Definition / Menu of Practices
Wellhead protection consists of an impermeable pad, sump, or buffer area of 100' around the wellhead	☐	☐	☐	
Containment basins lined to prevent pesticide leaching	☐	☐	☐	
Mixing and loading is performed on sites with low runoff hazard, over 100' downslope of well	☐	☐	☐	
Field layout is designed to minimize pesticide movement	☐	☐	☐	Irrigation Land Leveling, Land Smoothing, Contour Farming, Row Arrangement
Fields are managed to reduce pesticide movement	☐	☐	☐	Conservation Cover, Cover Crop, Vegetative Barrier, Mulching, Residue Management, Deep Tillage, Irrigation Water Management, Contour Buffer Strip, Sediment Basin, Water and Sediment Control Basin, Irrigation System Tailwater Recovery, Conservation Cover, Filter Strip, Grassed Waterway onto Constructed Wetland
Other :	☐	☐	☐	
Other :	☐	☐	☐	
Number of acres that have all planned pesticide management strategies in place				acres
Number of acres that have some planned pesticide management strategies in place				acres
Number of acres where pesticide management strategies are planned but not yet in place				acres

Nutrient Management				
Nutrient Management	**Not applicable to operation**	**Practice in Place**	**Practice Planned within 3 Years**	**Definition / Menu of Practices**
Nitrogen (N) and Phosphorus (P) crop requirements are known	☐	☐	☐	
N and P sources for crop are known	☐	☐	☐	
Well/irrigation water monitored for N and P levels	☐	☐	☐	
Tissue analysis for crops with identified critical levels	☐	☐	☐	
Pre-sidedress nitrogen tests are used	☐	☐	☐	Soil Nitrate Quick Test, Soil Testing
Nutrient budget used in deteriming fertilizer applications	☐	☐	☐	
Fertilizer application timing is based on crop needs	☐	☐	☐	
Fertigation is used where appropriate	☐	☐	☐	
Cover crops are used to increase soil fertility and reduce fertilizer applications	☐	☐	☐	Cover Crop
Irrigation is managed to avoid loss below the root zone	☐	☐	☐	
Application equipment is calibrated regularly	☐	☐	☐	
Fertilizer handlers and applicators are trained	☐	☐	☐	

Nutrient Management	Not applicable to operation	Practice in Place	Practice Planned within 3 Years	Definition / Menu of Practices
Precision placement is used to deliver nutrients efficiently	☐	☐	☐	
Fertilizer storage facilities include concrete pads and curbs for containment of spills	☐	☐	☐	
Mixing and loading is performed on sites with low runoff hazard, over 100' downslope of well	☐	☐	☐	
Septic systems are monitored and maintained	☐	☐	☐	
Other :	☐	☐	☐	
Other :	☐	☐	☐	
Number of acres that have all planned nutrient management strategies in place				acres
Number of acres that have some planned nutrient management strategies in place				acres
Number of acres where nutrient management strategies are planned but not yet in place				acres

Certification: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print Name:

Title:

Signature:

Date: Month: Day: Year: